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**From:** Levine, Carolyn [Levine.Carolyn@epa.gov]  
**Sent:** 4/20/2016 8:52:23 PM  
**To:** Chilingaryan, Sona [Chilingaryan.Sona@epa.gov]  
**CC:** Maier, Brent [Maier.Brent@epa.gov]; Manzanilla, Enrique [Manzanilla.Enrique@epa.gov]; Li, Corine [Li.Corine@epa.gov]; Lee, Bessie [Lee.Bessie@epa.gov]; Rodriguez, Roberto [Rodriguez.Roberto@epa.gov]; TROMBADORE, CLAIRE [Trombadore.Claire@epa.gov]; Tenley, Clancy [Tenley.Clancy@epa.gov]  
**Subject:** RE: hopi and arsenic

Great, thank you!

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*Office of Congressional and Intergovernmental Relations*  
*U.S. EPA*  
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**From:** Chilingaryan, Sona  
**Sent:** Wednesday, April 20, 2016 4:26 PM  
**To:** Levine, Carolyn <Levine.Carolyn@epa.gov>  
**Cc:** Maier, Brent <Maier.Brent@epa.gov>; Manzanilla, Enrique <Manzanilla.Enrique@epa.gov>; Li, Corine <Li.Corine@epa.gov>; Lee, Bessie <Lee.Bessie@epa.gov>; Rodriguez, Roberto <Rodriguez.Roberto@epa.gov>; TROMBADORE, CLAIRE <Trombadore.Claire@epa.gov>; Tenley, Clancy <Tenley.Clancy@epa.gov>  
**Subject:** hopi and arsenic

Hi Carolyn,

Here's a statement that can be used related to enforcement and the Hopi arsenic issue:

Region 9's Enforcement Division is currently engaged with the Hopi Tribe on consultation to address public water systems that do not meet the arsenic MCL standard. In December 2015 and February 2016, Region 9 met with Chairman Herman Honanie and other Hopi Tribe representatives to initiate consultation regarding elevated arsenic levels at some of the Hopi villages and the Hopi Cultural Center. Thus far, the consultation meetings have been productive and the process is moving forward. Any questions should be directed to Claire Trombadore (Water and Pesticides Branch Assistant Director, Enforcement Division, EPA Region 9) at 415-972-3013 or Roberto Rodriguez (Drinking Water Section Chief, Enforcement Division, EPA Region 9) at 415-972-3302.

Here's more general information about Hopi and arsenic that is not enforcement confidential—the Hopi Arsenic Mitigation Project (HAMP) is something we've been working on with the Tribe and other agencies for several years:

Naturally-occurring arsenic is found in the First and Second Mesa areas of the Reservation. Eight of the 15 Hopi public water systems have arsenic levels above the primary drinking water standard (MCL). A regional water system (Hopi Arsenic Mitigation Project, or HAMP) that will have its source wells located in an area (Turquoise Trail) with arsenic levels below the MCL has been developed by the Hopi Tribe. The eight systems with the high arsenic levels will eventually tie into the HAMP. The cost of the HAMP is approximately \$18 million. The project will be conducted in phases due to funding constraints. Since 2006, USEPA has funded approximately \$6 million of the HAMP with DWTSA money. IHS has contributed approximately \$1 million. To date, the USEPA funding has been used for planning activities (e.g., hydrogeologic studies, completion of a Preliminary Engineering Report [PER], Strategic (or Business) Plan and Environmental Assessment [EA]), as well as the completion of two new source wells in 2014 in the Turquoise Trail area. With the remaining money from USEPA and IHS,

construction of a transmission main in the area of Shungopavi Village and construction of a new water storage tank and line in the First Mesa area are expected to start in late 2016/early 2017.

In January 2016, the Hopi Tribe submitted a funding application to the USDA for the remaining costs of the HAMP. The application included the PER, Strategic Plan, and (Final) EA, but did not include financial audit information, which is expected to be completed in mid- to late-2016. USDA, however, can still begin its review of the technical documents without the financial information. It is expected that USDA will fund the loan/grant application in phases. USDA has not indicated to the Hopi Tribe when it expects to complete its technical review of the funding application.

In 2014, the Hopi Tribal Council passed a resolution that created a Hopi Public Utility Authority (HPUA) that would be responsible for the operation and maintenance of the HAMP. In January 2016, the Tribal Council provided funding to hire a General Manager and Secretary for HPUA, as well as some start-up costs. As of March 2016, the job descriptions for the two position are with the Hopi Human Resources Office.

Some remaining issues with the HAMP include: (1) an adequate power source for the completed HAMP (APS or NTUA) and whether this power source would include future developments in the Turquoise Trail area, and (2) the service agreements between the Hopi Tribe/HPUA and the affected villages. The power source issue remains with the Office of the Chairman to resolve. Even though all the affected water systems have agreed (some in writing; most verbally) to tie into the HAMP, the service agreements are presently being set aside for re-presentation to the Tribal Council until the HPUA is established.

Please let us know if you need more information!  
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